

## PRODUCTION OF FUSION PROTEINS AND USE FOR IDENTIFYING BINDING MOLECULES

### Abstract

The invention is directed to methods of producing a fusion protein by  
5 administering a nucleic acid encoding the fusion protein to an animal. Following the administration of the nucleic acid to the animal, the protein is produced *in vivo* and is isolated by removing a biological sample from the animal. These methods allow for the rapid and efficient production and isolation of a protein encoded by any nucleic acid sequence of interest. A fusion protein purified according to these methods can be used  
10 to screen for target binding molecules, such as antibodies, that bind to a protein sequence of interest.

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